Sean McQueen

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EXPERIENCE

ML Engineering Manager, ML Pipelines team   January 2021 – Present
Twitter   *New York, NY*

- Manage team of 8 engineers responsible for building the ML pipelines platform for ML teams; maintained 0% attrition since promotion to manager and received the highest manager scores on pulse surveys across the organization (7 managers)
- Oversaw the design and delivery of a new ML pipeline platform, migrating Twitter to use TFX, BigQuery and Kubeflow Pipelines on Google Cloud Platform instead of ML orchestration using Airflow in on-premises datacenters; increased developer velocity and allowed ML teams to ship new models faster
- Co-created the 2nd largest customer support channel at Twitter (and on-call process) to drive improved customer outcomes; channel grew from 0 to 500+ engineers in 4 months
- Acted as voting member of 2 promo committees (ML and Ads engineering) for levels up to 7 (Staff and Sr. EM)

Senior ML Engineer, ML Platform   April 2019 – December 2020
Twitter   *New York, NY*

- Led ownership transition of the Airflow Platform to a new team in the Data Platform organization, increasing my team's engineering bandwidth by 2x and allowing Airflow to have continued stewardship and support at Twitter
- Designed and executed an automated transition of all Airflow pipelines from Python 2.7 to 3.x, impacting 1k files, thousands of unit tests and 100k+ lines of code; centralized design allowed dozens of teams to skip the transition themselves and reduced technical debt in data pipeline orchestration

Software Engineer   November 2016 – March 2019
Beeswax (acquired by Comcast)   *New York, NY*

- Joined as the 14th employee and went on to build and lead a team of 5 engineers owning Beeswax's customer-facing APIs as the company grew by 600% in my tenure (conducted 200+ interviews)
- Built a "Realtime User Filtering" system performing over 1 million user segment lookups per second; enabled advertising re-targeting at scale and $2MM+ in new business
- Built a tool for writing and maintaining automated pagerduty alerts for new services, increasing the number of production alerts by 10x and making healthy alerting practices a company standard

Software Engineer   January 2014 – May 2016
Nextdoor   *San Francisco, CA*

- Early engineer at Nextdoor, joining as employee ~40 after an internship the summer before
- Wrote the Newsfeed API, an internal Python interface for requesting posts, comments, likes from the Newsfeed Service; decreased backend newsfeed latency by 10x, which was an urgent need because of rapid user growth
- Built the newsfeed ads selection algorithm on the team that made Nextdoor's first $1 of revenue

EDUCATION

Claremont McKenna College   2013
Bachelors, Computer Science & Economics (dual major)   *Claremont, CA*